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TITLE: SPUN-DYED POLYESTER FIBER FOR SEAT BELT
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INVENTOR-INFORMATION:

NAME

MAKINO, SHOJI

KUNISADA, NORINOBU

MARUO, KIYOSHI

ASSIGNEE-INFORMATION:

NAME

TEIJIN LTD

COUNTRY

N/A

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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a spun-dyed polyester fiber, excellent in processability when weaving a seat belt and capable of providing the seat belt, having a high strength and excellent in durability, especially the durability at very low temperatures.

SOLUTION: This spun-dyed polyester fiber is obtained by applying an oil agent containing (A) 2-20wt.% polyester-based polymer having ≥5,000 molecular weight and (B) 1-10wt.% silicone compound having ≥10,000cSt viscosity at 25°C in an amount of 0.4-0.9wt.% based on the fiber weight to a spun-dyed polyester fiber, containing 0.1-1wt.% pigment and having 30-40 silk

factor.

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